

· eighth-order harmonic wave as ultraviolet light from a fundamental wave and a seventh harmonic wave thereof according to sum frequency generation, or the KAB crystal is used for a portion which generates the eighth-order harmonic wave as ultraviolet light from a fourth-order harmonic wave thereof according to second-order harmonic generation. Thereby, high conversion efficiency can be obtained.

20. (Amended) A laser device as recited in claim 1, wherein

the laser generator section generates a mono-wavelength laser light having a wavelength of near 1.5 μm , and

the wavelength conversion section converts a fundamental wave having the wavelength of near 1.5 μm output from the optical amplifier section into ultraviolet light of one of an eighth-order harmonic wave and a tenth-order harmonic wave, and outputs the ultraviolet light.